

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

HERBST, C.; BACANARU, I.; CALOIANU, N. (Bucuresti)

Contributions to the study of territorial concentration
types of the industry in ~~Romania~~, Natura Geografie 16
no.3:9-16 My-Je '64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

CALOIANU-IORDACHEL, Maria

Contribution to the histophysiological study of the digestive apparatus
in the Black Sea sturgeon, star sturgeon, great sturgeon, and in
Acipenser nudipectoralis Lov. during the first stages of postembryo-
genesis. Rev biol 5 no.4:319-335 '60. (EEAI 10:9)

(Sturgeons) (Digestive organs) (Embryology)

KALOYANU-IORDEKEL, Mariya[Calcianu-Iordachel, Maria]

Development of the skeleton in birds. Rev biol 6 no.3:295-305 '61.

1. Membre du Comite de redaction et Secrétaire de redaction, "Revue de biologie".

CALOIANU-IORDACHEL, Maria

Histophysiological studies on the digestive system of some Acipenseridae in the early stages of postembryonal development. Studii cerc biol anim 12 no.3:353-369 '61.

1. Communicare prezentata de Th. Busnita, membru corespondent al Academiei R.P.R.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

CALOIANU-IORDACHEL, M. (Bucuresti)

Respiratory system in animal series. Natura Biologie 14 no.2;
28-36 Mr-Ap '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

CALOIANU-IORDACHEL, Maria

Histogenesis of limb bones in bird embryonal stage. Studii cerc
biol anim 14 no.13:411-420 '62.

1. Comunicare prezentata de V. Gethie, membru corespondent
al Academiei R.P.R. si membru al Comitetului de redactie,
"Studii si cercetari de biologie; Seria biologie animala."

GHETIE, V.; CALOIANU-IORDACHEL, M.; PETRESCU-RAIANU, A.

Vascularization of the nasal cavity in ruminants. Rev biol
8 no.2:147-152 '63.

1. Akademie der RVR, Institut fur Biologie Traian Savulescu
Laboratorium fur Morphologie, Cytologie und Embryologie der
Tiere, Bukarest.

CALOTANU-TORDACHEI, M.; PETRESCU-RAIANU, A.

Evolution of the hollow cylindrical bones of birds. Rev biol
8 no.2:153-164 '63.

1. Akademie RVR, Institut fur Biologie Traian Savulescu,
Laboratorium fur Morphologie, Cytologie und Embryologie
der Tiere.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

CALOIANU-IORDACHEL, M. (Bucuresti)

Nervous system in the animal series. Natura Biologie
15 no. 3: 23-43 My-Je '63.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

CALOIANU-IORDACHEL, Maria; PETRESCU-RAIANU, Anca

Study of vitamin C localization in Cyprinus carpio tissues.
Studii cerc biol anim 15 nc.4:397-406 '63.

1. Comunicare prezentata de V. Ghetie, membru corespondent al
Academiei R.P.R.

GHETIE, V.; CALOIANU-IORDACHEL, M.; PETRESCU-RAIANU, A.

Arteries of the breast and the forelimbs of the goose.
Rev biol 8 no. 4: 419-429 '63.

1. Laboratorium fur Morphologie, Cytologie und Embryologie
der Tiere des Instituts fur Biologie "Traian Savulescu"
der Akademie der RVR, Bukarest.

*

CALOIANU-IORDACHEL, Maria; HIRLEA, Elena; PETRESCU-RAIANU, Anca

Comparative study of the development of the Gallinae osseous system.
Studii cerc biol s. zool 16 no.6:471-477 '64.

1. Laboratory of Morphology and Animal Cytology of the "Traian Savulescu" Institute of Biology.

CALOIANU-IORDACHEL, Maria

Data on the efficiency of the fixation method of striated
muscular tissue. Studii cerc biol s. zool 17 no.1:11-
16 '65.

1. Laboratory of Morphology, Cytology, and Histology, "Traian
Savulescu" Institute of Biology. Submitted August 5, 1964.

MANDAKE, F., [Mandache, F.], dotsent; PRODESKU, V. [Prodescu, V.];
KALOINESKU, M. [Caloinescu, M.]; CHERBULESKU, K. [Cherbulescu, K.].

Surgical treatment of cardiospasm (extramucosal thoracoabdominal
partial esophagocardectomy). Khirurgija 39 no.6:10-17 Je '63.
(MIRA 17:5)

1. Iz khirurgicheskoy kliniki (dir. - dotsent F. Mandake) [Mandache, F.]
Bukharetskoy klinicheskoy bol'nitsy Brynkoveryesk.

~~CALOMFIRESCU, Al.; ABABEI, Roza; OLARU, Tr.; BIBERI, Sanda~~

Epidemic hepatitis in Bucharest in the period 1952-1955; epidemiological aspects. Stud. cercet. inframicrobiol., Bucur. 8 no.2:155-171 1957.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R., in sedinta din 3 septembrie 1956.
(HEPATITIS, INFECTIOUS, epidemiology
in Romania, incidence in Bucharest in past three years)

CALOMFIRESCU A.

KALOMFIRESKU, A. [Calomfirescu, A.]; ARABEY, R.; OLARYU, T.; BIBERI, S.

Epidemiological investigations on infectious hepatitis in Bucharest.
Zhur. mikrobiol. epid. i imun. 29 no.12:59-62 D '58. (MIRA 12:1)

1. Iz Tsentral'noy sanitarno-epidemiologicheskoy stantsii (Rumyniya).
(HEPATITIS, INFECTIOUS, epidemiology,
in Romania (Rus))

IVAN, I.M., prof.; TELNICEANU, A., dr.; MAGUREANU, E., dr.; TOMA, R., dr.; BORDEIANU, P., dr.; CALOMFIRESCU, AL., dr.; BARBU, A., dr.; MANOLESCU, Maria, chim.

Epidemiological aspects of inframicrobial epidemic hepatitis in the city of Bucharest in 1960. Med. inter., Bucur 13 no.5: 703-710 My '61.

1. Catedra de Epidemiologie, I.M.F., Bucuresti (for Ivan, Telnceanu, Magureanu, Toma). 2. Sanepidul central al Capitalei (for Bordeianu, Calomfirescu, Barbu, Manolescu).
(HEPATITIS, INFECTIOUS statistics)

NESTORESCO, N.; GRIGORIU, T.; BADULESCO, Elisabeta; SOLOMON, I.; BARBU, A.; VASILIU, Ecaterina; IONESCO, Maria; CALOMFIRISCO, A.; BORDEINAU, P.; ALLESEANU, Gh.; PANAITESCU, Gh.

The specific resistance produced by typhoid-paratyphoid vaccination compared with the immunity status of former typhoid fever patients as a criterion of evaluation of the effectiveness of T.A.B. vaccine. Arch. Roum. path. exp. microbiol. 20 no.3:321-325 S '61.

1. Institut "Dr. I.Cantacuzino" (for Nestoresco). 2. Section de Bacteriologie du Centre Sanitaire antiepidemique de Bucarest (for Grigoriu, Badulescu, Solomon, Barbu Vasiliu, Ionesco). 3. Section d'Epidemiologie du Centre Sanitaire antiepidemique de Bucarest.
(TYPHOID immunology) (PARATYPHOID FEVERS immunology)

SPINU, I.; MARCOVICI, M.; CALOMIRESCO, Al.; VOLSKI, V.

Study of antipoliomyelitis vaccination with live virus in the city of Bucharest. Arch. roum. path. exp. microbiol. 21 no.1:15-18 Mr '62.

l. Travail de l'Institut "Dr. I. Cantacuzino" — Service de la Poliomyélite.

(POLIOVIRUS VACCINE, ORAL)

LUCIAN, M., dr.; WOLSKI, Vl., dr.; CALOMFIRESCU, Al., dr.

Epidemiological study of the effectiveness of the *B. pertussis* component in the tri-vaccine prepared by the Institutul "Dr. I. Cantacuzino". Microbiologia (Bucur) 8 no.4:371-375 Jl-Ag '63.

1. Lucrare efectuata in Sectia antiepidemica a Inspectiei de Stat pentru igiena si protectia muncii din Capitala.

(DIPHTHERIA TOXOID) (PERTUSSIS VACCINE)
(TETANUS TOXOID) (VACCINATION)
(IMMUNIZATION SCHEDULE)

CALOMFIRESCO, Al.; WOLSKI, V.; GRIGORIU, T.; BADULESCO, E.; PEAHA, M.; IONESCO, M.; NITZOULESCO, C.

Correlation between the immunological level of the population and the circulation of *C. diphtheriae* during the stage of diphtheria eradication. Arch. Roum. path. exp. microbiol. 23 no.4:1053-1060 D '64.

1. Centre sanitaire, Service anti-epidemique, Bucarest (for Calomfiresco, Wolski), Laboratoire Central de Bacteriologie I.S.I.P.M., Bucarest (for Grigoriu, Badulesco, Peaha, Ionesco, Nitroulesco).

L 35399-65 r JK
ACC NR: AP6026859

SOURCE CODE: RU/0023/66/011/002/0163/0172

AUTHOR: Calomfirescu, Al.--Kalomfiresku, A. (Doctor); Lucian, M.--Luchian, M. (Doctor); Mihai, Ilie--Mikhay, I. (Medical assistant)

ORG: State Health Inspectorate, Bucharest (Inspectoratul sanitar de stat) 25
B

TITLE: Postvaccinal reactions in children vaccinated with DTP trivaccine

SOURCE: Microbiologia, parazitologia si epidemiologia, v. 11, no. 2, 1966, 163-172

TOPIC TAGS: epidemiology, encephalitis, vaccine, virus disease, immunity

ABSTRACT: In a study to determine the severity and frequency of postvaccinal reactions to the use of DTP trivaccine, the authors found that only one of the 239 cases of encephalitis, meningoencephalitis and meningitis with clear fluid which occurred in children born in 1960 through 1964 in Bucharest showed a possibility of a causal connection with the vaccination; this gives a probability of post-vaccination encephalitis of 1:200,000. Vaccination reactions (slight to medium) appear within 12 to 24 or at most 48 hours and disappear without treatment. Orig. art. has: 3 tables.
[Based on authors' Eng. abst.] [JPRS: 36,834]

SUB CODE: 06 / SUBM DATE: 17Apr65 / ORIG REF: 009 / SOV REF: 010
OTH REF: 018

Card 1/1 *[Signature]*

DDC: 616.9-085.371-06

IMMUNOLOGY

RUMANIA

CALOMFIRESU, Al., Dr., LUCIAN, M., Dr, MIHAI, Ilie, Medical Assistant. Work was performed at the State Health Inspectorate of the City of Bucharest (Inspectoratul Sanitar de Stat al Orașului Bucuresti).

"Postvaccinal Reactions in Children Vaccinated with DTP Trivaccine."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 2, Mar-Apr 66, pp 163-172.

Abstract [Authors' English summary modified]: In a study to determine the severity and frequency of postvaccinal reactions to the use of DTP trivaccine, the authors found that only one of the 239 cases of encephalitis, meningoencephalitis and meningitis with clear fluid which occurred in children born in 1960 through 1964 in Bucharest showed a possibility of a causal connection with the vaccination; this gives a probability of post-vaccination encephalitis of 1 : 200,000. Vaccination reactions (slight to medium) appear within 12 to 24 or at most 48 hours and disappear without treatment.

Includes 3 tables and 37 references, of which 9 are Rumanian, 10 Russian, 5 German and 13 Western. -- Manuscript sub-

RUMANIA

IILEA, T., Professor; LUPASCU, Gh., Professor; MAURER, M., Professor;
ARDELEAN, I., Professor; CALOENESCU, I., MD.

Bucharest, Igiena, no 6, Nov-Dec 63, pp 481-487

"Health Protection of Workers on the Building Sites in the
City of Bucharest."

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

CALOMFIRESCU, Al. (MD)

RUMANIA

IVAN, M. I., Professor; CALOMFIRESCU, Al., MD; DOBRESCU, Al., MD .

Bucharest, Igiena, No 6, Nov-Dec 63, pp 517-519

"Remarks on the Prophylaxis and Control of Infectious Diseases on Building Sites in the City of Bucharest."

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

CALOENESCU, I., MD

RUMANIA

ILEA, Th., Professor; CALOENESCU, I., MD; CUBLESAN, Maria, MD;
DRAGUSANU, I., MD.

Bucharest, Igiena, No 6, Nov-Dec 63, pp 551-556

"Outpatient Care of Workmen on Construction Sites"

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

✓ 3591. ATOMIC ENERGY IN EASTERN EUROPE. PT 1. POLAND. J. F. Calor, J.F.

1273

ATOMIC ENERGY IN EASTERN EUROPE. PART 2.
CZECHOSLOVAKIA. J. F. Calor. Nuclear Eng. 2, 38-9
(1957) Jan.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

CALOTA, Constantin; ROMANESCU, Dragomir

On the applicability of the magnetic and gravimetric methods
in the study of Neogene eruptions and the mineralization
connected with them. Probleme geofiz 2:179-198 '63.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

GHEORGHIU, C.; ZBEREA, A.; VISARION, M.; CALOTA, G.

New data on the structure of the lower basin of the Strei as a
result of geologic and geophysical studies. Anuarul Comitet geol
32:97-165 '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

CALOTA - M.
RUMANIA/Chemical Technology - Chemical Products and Their
Application. Refining Solid Fuel Minerals.

H-22

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 58620
Author : Blum, I., Rosenberg, M., Calota, M.
Inst : -
Title : The Change of the Amount of Bonding, Depending on the
Ash Content of Semi-Coke from Lignite, During Its
Briquetting with Bonding.
Orig Pub : Rev. minelor, 1958, 8, No 12, 551-557
Abstract : The mathematical and graphical dependence of the amount
of bonding on the ash content of semi-coke from lignite
during its briquetting is worked out.

Card 1/1

TORZHESKU, V. [Torjescu, V.]; BIUTESKU, E. [Biutescu, E.]; ZAKHARIYA,
A.K. [Zaharia, A.C.]; TYUFESKU, R. [Tiufescu, R.]; KALOTA, M.
[Calota, M.]; KARAULEANU, E. [Carauleanu, E.]

Activity of the aldolase, pseudocholinesterase, and trans-
aminases in the blood serum in epidemic hepatitis. Vop.med.
khim. 8 no.1:27-30 Ja-F '62. (MIRA 15:11)

1. Infektsionnaya bol'nitsa g. Kraynova, Rumyanskaya Narodnaya
Respublika.
(HEPATITIS, INFECTIOUS)(ALDOLASE) (CHOLINESTERASE)(TRANSAMINASE)

CALOTA, M.

RUMANIA

CEAUSU, Em., MD; TORJESCU, V., MD; CALOTA, M., Engr; PIRVU, D., MD;
PARASCHIV, V., MD; ANTONIADE, M., MD.

Section of Contagious Diseases of the Hospital in Turnu Severin.
(Sectia de boli contagioase a Spitalului din T. Severin.)
- (for all)

Bucharest, Viata Medicala, No 7, 1 Apr 63, pp 451-455.

"Ornithin-Carbamyl-Transferase and Benzidine-Oxidase in
Epidemic Hepatitis."

(C)

TORJESCU, V., dr.; CALOTA, Magdalena, ing.

Kinetics and technic of determination of phosphohexoisomerase.
Med. intern. 15 no.1:119-123 Ja '63.

1. Lucrare efectuata in Laboratorul sanepidului, Tr. Severin.
(ISOMERASES) (BLOOD CHEMICAL ANALYSIS)

TORJESCU, Virgil, dr.; PIRVU, Doru, dr.; CEAUSU, Em., dr.; CALOTA, Magda, ing.

Observations on the titers of several enzymes in epidemic hepatitis.
Med. inter., Bucur 13 no.5:683-688 My '61.

1. Lucrare efectuata in Sectia de boli contagioase a Spitalului
orasenesc Turnu Severin.
(HEPATITIS, INFECTIOUS blood)
(ALDOLASE blood) (TRANSAMINASES blood)
(CHOLINESTERASE blood)

TORJESCU, Virgil, dr.; DORU, Pirvu, dr.; CEAUSU, Em., dr.; PARASCHIV, D., dr.;
CALOTA, M., ing.

Test of serum polypeptidases in epidemic hepatitis. Med. intern.
14 no.8:969-975 Ag '62.

1. Lucrare efectuata in cadrul Sectiei de boli contagioase Turnu
Severin.

(HEPATITIS, INFECTIOUS) (PEPTIDE HYDROLASES)
(BLOOD CHEMICAL ANALYSIS)

PIRVU, D., dr.; TORJESCU, V., dr.; CEAUSU, E., dr.; TEODORESCU, E., dr.;
PARASCHIV, D., dr.; CALOTA, M., ing. chimist.

Changes in some serum enzymes in anicteric epidemic hepatitis
in children. Microbiologia (Bucur) 10 no.1:77-82 Ja-F'65.

1. Lucrare efectuata in Spitalul orasenesc, Turnu Severin.

BUTESCU, E., dr.; IORGULESCU, M., dr.; CALOTA, St., dr.; TATARU, N., dr.;
CIOBANU, I., dr.; CUMPANAS, M., dr.; CANCICVIC, N., dr.

Clinical aspects of poisoning with insecticides and fungicides
and our therapeutic experiences. Microbiologia (Bucur) 9 no.5:
453-456 S-0 '64

1. Lucrare efectuata in Spitalul nr.3, Craiova.

RUMANIA

616.981.551:618.39

BUTTESCU, E., Dr, IORGULESCU, M., Dr, TATARU, N., Dr, CIÖBANU, I.
Dr, and CALOTA, Stefania, Dr. Work performed at the Hospital
No 3 (Spitalul Nr 3), Craiova.

"Clinical and Epidemiological Considerations in 45 Cases of
Uterine Tetanus."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11,
No 3, May-Jun 66, pp 269-272.

Abstract [Authors' English summary modified]: After a review of
the data in Rumanian and world literature regarding uterine
tetanus, the authors discuss 45 cases of the infection seen at
the Department for Infectious Diseases of the Craiova Hospital.
Attention is called to the great diversity of forms which may
occur and to the severity of the disease, which showed a death
rate of 84.6 percent. While timely serum therapy and curettage
gave the highest recovery rate of the treatments tried, the
authors stress that the only effective prophylaxis consists of
specific prophylactic measures coupled with a general rise of
educational and sanitary standards.

Includes 10 references, of which 2 Rumanian, 2 English-
language and 6 French-language. -- Manuscript submitted 1 October
1964.

1/1

CALOUD, Karel, dr.

How to make a claim correctly for damage caused to goods
in international transportation. Zel dop tech 12 no. 3:
Supplement: 12 no. 3: 1-7 '64.

CALOVIC, B.

Problem of the Sarajevo railroad junction. p.336. ZELEZNICE. Beograd.
Vol. 11, no. 9, Sept. 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress
Vol. 5, No. 6, June 1956

CALOVIC, B.

CALOVIC, E. Standardization or reconstruction of the Sarajevo-Pioce railroad route? p. 371.

Vol. 11, No. 10, Oct. 1955

ZELEZNICE

TECHNOLOGY

Beograd, Yugoslavia

So: East European Accessions, Vol. 5, May 1956

CALOVIC, B.

Facing new tasks. p. 9

ZELEZNICE. (Zeleznicki institut GDJZ) Beograd

Vol. 12, no. 5, May 1956

SOURCE: East European List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

CALOVIC, Milan, inz.

Automatic regulation of voltage in the 110/35 kv. distribution centers. Elektroprivreda 17 no. 7/8:347-352 Jl-Ag '64.

CALTA ANTONIN

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and their Application.
Glass. Ceramics. Building Materials.

J-12

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27643

Author : Antonin Calta.

Inst :

Title : Manufacturing of Glass Pots.

Orig Pub: Sklar a keramik, 1955, 5, No 12, 279-287.

Abstract: The manufacturing of glass pots of 2 kinds (open and closed) at special factories is described. The standard dimensions and weight of round and oval pots are enumerated. The thickness of the bottom must be 1/10 of the outside diameter of the pot, and the thickness of the wall at the top must be 1/18 to 1/20. The chief conditions, with which pots made of basic (up to 40% of Al_2O_3) and of acid (up to 21% of Al_2O_3) masses must comply, are described. Refractoriness, deformation resistance under load at high temperatures, resistance to glass, thermal

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CZECHOSLOVAKIA/Chemical Technology. Chemical Products and their
Application. Glass. Ceramics. Building Materials.

J-12

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27643

resistance and mechanical strength belong to these conditions. In order to secure the necessary properties of pots, it is recommended to use pure raw materials: clays characterized by sufficient plasticity and insignificant shrinkage at drying and burning should be used with addition of chamotte containing 41% of Al_2O_3 and less than 1.8% of Fe_2O_3 and of water absorption of 5 to 9%. At the preparation of the mass for the pots, special attention should be paid to the size of chamotte grains, to the careful mixing of the dry components (clay and chamotte), to the addition of the exact amount of water, to the mixing of the mass in vacuum band presses before and after aging. Two methods of manual pot shaping are described in detail: by rubbing and by slapping. Instructions for the transportation of semi-finished goods after drying are given. The regime of burning pots of acid and basic masses is described. A table of standard di-

Card : 2/3

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CZECHOSLOVAKIA/Chemical Technology. Chemical Products and their
Application. Glass. Ceramics. Building Materials.

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Abs Jour: Referat Zh.-Kh., No 8, 1957, 27643

mensions and weight of pots and sketches of open and closed
pots are given.

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"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

FODOR, O.; DUMITRASCU, D.; BADEA, Gh.; BAN. A.; TRAGOR, S.; CALU, C.; SZANTAY, I.

Adaptive and pathological changes in the jejunum and ileum
after stomach surgery. Stud. cercet. med. intern. 5 no.2:167-
172 '64

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

FODOR, O., prof.; SCHWARTZ, M., dr.; GAIU, C., dr.

Changes in electrolyte metabolism in chronic hepatitis. Med. intern. (Bucur) 16 no.11:3295-3301 N '64

1. Lucrare efectuata in Institutul de cercetari medicale al Academiei Republicii Populare Romane, Filiala Cluj si in Clinica a III-a medicala, Institutul medico-farmaceutic, Cluj.

RUMANIA/Physical Chemistry - Solution. Theory of Acids and Bases. B

Abs Jour : Ref Zhur Khimiya, No 19, 1959, 67354

Author : Ripan, R., Duca, A., Calum Cleopatra.

Inst : Rumanian Academy , Cluj Affiliate

Title : Investigation of Concentrated Molybdenum Acids.

Craig Pub : Studii si cercetari chim. Acad. RPR Fil. Cluj, 1958, 9,
No 1-4, 19-36

Abstract : This investigation was carried out in order to determine the maximum degree of condensation of molybdenum acid molecules as a function of concentration and solution pH by conductometric, potentiometric, gravimetric, and chromatographic methods. It was established that as the solution concentration increases, the degree of condensation, the stability of the internal sphere of molybdenum acid complexes, and the degree of dissociation of

Card 1/2

- 30 -

PELAND/Physical Chemistry - Solutions. Theory of Acids and Bases. B

Abs Jour : Ref Zhur Khimiya, No 19, 1959, 67353

Investigation of absorption spectra of the solutions under study in the visible region established that dissociation of I gives rise to a stronger uranyl absorption band and to a shift of the band maximum from 416 to 424 m μ . It is assumed that these phenomena are associated with a substitution of amide molecules for nitrate ions or IV molecules in the uranyl coordination sphere.

-- B; Kaplan

Card 2/2

RIPAN, Raluca, acad.; CALU, C.

A physicochemical study of the aqueous solutions of the metatungstic acid. Studii cerc chimie Cluj 10 no.2:217-226 '59. (EEAI 9:9)

l. Universitatea "V. Babes" - Cluj, Catedra de chimie anorganica
si analitica.
(Solutions) (Water) (Tungstic acids)

RIPAN, R., acad.; CAINI, N.

Polarographic study on silico-12 molybdic acid. Studia Univ B-B
S. Chem 7 no.2:31-37 '62.

Polarographic study on the phospho-12 molybdic acid. Ibid.:39-45

RIPAN, Raluca, acad.; GALU, N.

Polarographic study on the formation of silico-12 molybdic acid. Studia Univ B-B-S Chem 8 no.1:501-502 '63

Polarographic study on the formation of poospho-12 molybdic acid. Ibid. 503

1. "Babes-Bolyai" University, Cluj.

DRUCKER, A.; FUHRMANN, Coloman, ing.; GOMOIU, Alex.; CALUGAREANU, Ad. ing; SAVIDIS, C., ing.; TELEA, Gh.; BORCEA, N.; JOGAREANU, O.; RIZEA, Nicolae; DUMITRESCU, Gheorghe.

Present problems of labor output rates. Probleme econ 17 no.5:
157-160 My '64.

1. Director, "Victoria"-Calan Plant (for Drucker). 2. Head of the Department of Labor Organization, "Victoria"-Calan Plant(for Fuhrmann). 3. Director, "Steaua Rosie" Plant, Bucharest (for Gomoiu). 4. Head of the Department of Production Organization, "Steaua Rosie" Plant, Bucharest (for Calugareanu). 5. Director, Medgidia Cement Works (for Savidis). 6. Head of the Department of Labor Organization, Medgidia Cement Works (for Telea). 7. Director, Enterprise of Electricity, Sibiu (for Borcea). 8. Head of the Department of Labor Organization, Enterprise of Electricity, Sibiu (for Jogareanu). 9. Director, "Carmen" State Industrial Enterprise, Bucharest (for Rizea). 10. Head of the Department of O.N.M., "Carmen" State Industrial Enterprise Bucharest (for Dumitrescu).

CKO/CG

CNugăreanu, George. On Čebyšev polynomials of bounded closed plane sets. II. Acad. Repub. Pop. Române. Bul. Sti. Ser. Mat. Fiz. Chim. 2, 7-15 (1950). (Romanian. Russian and French summaries)

Let E be the set formed by the N points $z = c_1, \dots, c_N$ of the complex plane, and let $T_n(z; E)$ be the Čebyšev polynomial associated with this set. For $n < N$, the author proves that the polynomial of exact degree n and leading coefficient unity which minimizes

$$\left\{ \frac{1}{N} \sum_{i=1}^N |P(c_i)|^p \right\}^{1/p},$$

p a positive integer, tends to $T_n(z; E)$ as $p \rightarrow \infty$. The minimum itself tends to $\max T_n(z; E)$. *A. Erdélyi*

Source: Mathematical Reviews,

Vol 13 No. 4

CALUGAREANU, G.

(2)
Călugăreanu, G. Remarques sur les normes d'un espace vectoriel. Acad. Repub. Pop. Române. Bul. Sti. Sect. Sti. Mat. Fiz. 4, 69-73 (1952). (Romanian. Russian and French summaries)

2
0
0
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Proofs of some elementary and well-known facts on such topics as continuity of sub-additive functionals.

V. L. Klee (Seattle, Wash.).

10-28-54.

LL

RUM.

Călugărenu, G., and Rado, Fr. Sur un problème de propagation de la chaleur Acad. Repub. Pop. Roumaine, Ser. St. Mat. 1950, 1951, 1952.

On the heat propagation problem in the case of two functions $P = P(t, \sigma)$, $Q = Q(t, \sigma)$ defined on Γ and two functions $A(\sigma), B(\sigma)$ defined on D .

which in D satisfies a function $u(x, t)$,

$$\frac{\partial u}{\partial n} + \frac{P}{Q} u = f \quad \text{in } D$$

and which on Γ meets the condition

$$\frac{du}{dn} = \epsilon [A(\sigma)u + B(\sigma)]$$

The solution u admits a representation of the form

$$u = u_0(t) + u_1(t, \sigma) +$$

$$f_1(t, \sigma) - \int_{\Gamma} f_2(t, \sigma) d\sigma$$

Lăngăreanu G. Sur les fonctions univalentes. II
Acad. R. P. Române Fil. Cluj. Stud. Cerc. Sti. 3 (1954). 144-147.

15-20. (Romanian, Russian and French summaries)
In this paper, the author obtains necessary and sufficient conditions that $f(z) = 1/z + \sum_{n=1}^{\infty} a_n z^n$, analytic for $|z| > 1$, should be univalent for $|z| > 1$. His technique exploits the Bieberbach "area principle" and contains Bieberbach's result as a special case. The author's formulas are too complicated to be reproduced here. M. O. Reade.

PO J
George

2
75

Călugăreanu, G. Sur les domaines riemanniens à p plis.

Let D be a Riemannian domain with multiple but at most finite p -fold covering. Let D_q denote the maximal open set of points of the plane which are covered exactly q times ($q=1, \dots, p$). Let A be the measure of D , assumed finite, and let A_q be the measure of D_q ; thus $A = \sum_{q=1}^p q \cdot A_q$. The author aims at setting up analytic conditions which will assure that D is univalent, or $p=1$. Let

$$g(\lambda) = \frac{1}{\pi \Gamma((\alpha+2)/\alpha)} \iint_D \lambda^{2-\alpha} \exp(-\gamma r_{12}^\alpha) d\omega_1 d\omega_2,$$

where α and λ are positive parameters, r_{12} is the distance between the points p_1, p_2 of D and $d\omega_i$ denotes the area element at P_i . The author proves that

$$(1) \quad \lim_{\lambda \rightarrow \infty} g(\lambda) = \sum_{q=1}^p q^2 \cdot A_q$$

Calegarienne, H.

The function $g(\lambda)$ is also shown to be increasing for sufficiently large values of λ . Now if $p=1$, then $g(\lambda) \rightarrow A_1 = A$, while if $p > 1$ we obtain by (1) that

$$g(\lambda) \rightarrow \sum q^k A_q > \sum q A_q = A.$$

Thus $\lim g(\lambda) = A$, or $g(\lambda) < A$ for sufficiently large values of λ , is a necessary and sufficient condition for the univalence of D . This idea is further elaborated by expressing the condition in terms of the so-called mean diameters of D .

$$\delta_n = (A^{-2} \int_{B^2} |z|^{2n} d\omega_2)^{1/n}$$

and also in other ways some of which tends to give more exact information about the univalence of D . These further developments will be given in a later paper.

J. P. W.

CALUGAREANU, G.

On the analytic representation of the regions of the plane. In French. p. 281.

REVUE DE MATHÉMATIQUES PURÉS ET APPLIQUÉES. JOURNAL OF PURE AND APPLIED MATHEMATICS. (Academia Republicii Populare Romine) Bucuresti. Rumania. Vol. 2, 1957.

Monthly List of East European Accessions (NEAI) LC. Vol. 9, no. 1, January 1960.

Uncl.

CALUGAREANU, G.

The Gauss integral, and the analysis of three-dimensional knots. In French. p. 5.

REVUE DE MATHEMATIQUES PURES ET APPLIQUEES. JOURNAL OF PURE AND APPLIED MATHEMATICS. Bucuresti, Rumania. Vol. 4, no. 1, 1959.

Monthly List of East European Accessions. (EEAI), LC. Vol. 8, no. 9, Sept. 1959.
Uncl.

CALUGAREANU, G.

A theorem on three-dimensional nodes of closed curves. Comunicarile AR
II no. 7:829-832 '61.

J. Membru corespondent al Academiei R.P.R.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

CALUGAREANU, Georges

Theorem on the crossing of a node. Rev math pures 7 no.4:
565-569 '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

SZILAGYI, P.; IONESCU, D.V., prof. dr.; IACOB, C., acad. prof.; HAIMOVICI, M., acad. prof.; CALUGAREANU, G., acad. prof.

About solving the Dirichlet's problem on the system of equations of elliptic type, second order, with partial derivatives. Studia Univ B-B S. Math-Phys 9 no.2:140-142 '64.

1. "Babes-Bolyai" University, Cluj (for Ionescu, Calugareanu).
2. Universit. of Bucharest (for Iacob). 3. "A.I.Cuza", Iasi (for Haimovici).

CONSTANTINESCU, F.; CALUGAREANU, G., acad. pro .; GHICA, A., acad. prof.;
ANGHELUTA, TH., prof. dr. CLIMESCU, I., prof. dr.

Contributions to the elementary theory of generalized functions.
Studi Univ B-B S. Math-Phys 9 no.2:142-143 '64.

1. "Babes-Bolyai" University, Cluj (for Calugareanu) 2. University
of Bucharest (for Ghica). 3. Polytechnic Institute, Cluj (for
Angheluta). 4. Polytechnic Institute, Iasi (Climescu).

Sofia Calugareanu

27

✓ Determination of bismuth. Petru Spacu and ~~Sime~~
Calugareanu (Univ. Bucharest, Romania). *Analisis urin.*
C. I. Parhon, Bucuresti, Ser. stiint. nat. No. 13, 75-8 (1957)
(Russian and French summaries).—To an aq. soln. of Bi⁺
with an excess of KCl present, add dil. NaOH dropwise until
a white ppt. of Bi(OH)₃ appears. Dil. HCl is added dropwise,
just enough to dissolve this ppt. The Bi is now pptd.
with an excess of 15% aq. K xanthogenate, which is added
under continuous agitation. The yellow crystals are
filtered, washed with H₂O, 60% EtOH, and dried at 60-70°.
Ions of As, Sb, Sn, Cu, Mn, Co, Fe, Ni, Cr, Re, Te, Ag, Hg,
and Cd interfere, while Na, K, NH₄, Ca, Sr, Ba, and Al do
not. Max. error is $\pm 0.3\%$. M. Liquornik

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

NICOLAE, Maria; CRUCEANU, Eugenia; CALUGAREANU, Sofia, chim.

Spectral determination of some components of sand. Industria usoara
9 no.2:44-48 F '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

CRUCEANU, Eugenia; CALUGAREANU, Sofia; BARCANESCU, V.

Spectrochemical determination of impurities in antimonious
lead alloy for grilles. Rev chimie Min petr 15 no. 1: 37-39
Ja '64.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

BARCANESCU, V.; POTAMIAN, Eufrosina; CALUGARANU, Sofia

Complexometric and chromatographic analysis of ferrites.
Rev chimie Min petr 15 no.9:561-564 S '64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

L 41546-65 EWT(1)/EED-2
ACCESSION NR: AP5012411

RU/0003/64/015/009/0561/0564

12
B

AUTHOR: Barcaneacu, V.; Potamian, Eufrosina; Calugareanu, Sofia

TITLE: Complexometric-chromatographic analysis of ferrites

SOURCE: Revista de chimie, v. 15, no. 9, 1964, 561-564

TOPIC TAGS: iron compound, manganese compound, zinc compound, nickel compound, chromatographic analysis

Abstract [Authors' English summary modified]: The authors describe methods for the complexometric-chromatographic determination of the elements Fe, Mn, Mg, and Zn in manganese-zinc ferrites and of the elements Fe, Ni, Co, and Zn in nickel-zinc ferrites. The methods presented are easier and more rapid than the standard ones and give reproducible results.

Orig. art. has 1 figure and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

NO REF Sov: 002

Card 1/2 me

ENCL: 00

OTHER: 025

SUB CODE: MN, GC

JPRS

KRIVDA, S. [Grivda, S.]; KHOZOK, D. [Hozoc, D]; MANULESKU, R. [Manolescu, R];
DIMITRESKU, L. [Dimitrescu, L]; KELUGERU, M. [Calugaru, M.]

Cardiovascular diseases as an aggravating factor in the surgical treatment of prostate adenoma. Urologiia no.1:33-37'63.

(MIRA 16:7)

1. Iz 1-oy khirurgicheskoy kliniki (direktor - prof. T.Burgele)
Bukharetskogo meditsinskogo instituta. Bol'nitsa Pandur'.

(PROSTATE GLAND-TUMORS)

(CARDIOVASCULAR SYSTEM-DISEASES)

CALUIANU, R.

Contributions to the establishment of a method for the maintenance of the protective belts during the first years after planting. p. 475.

COMUNICARILE. Bucuresti. Vol. 9, no. 5, May 1959.

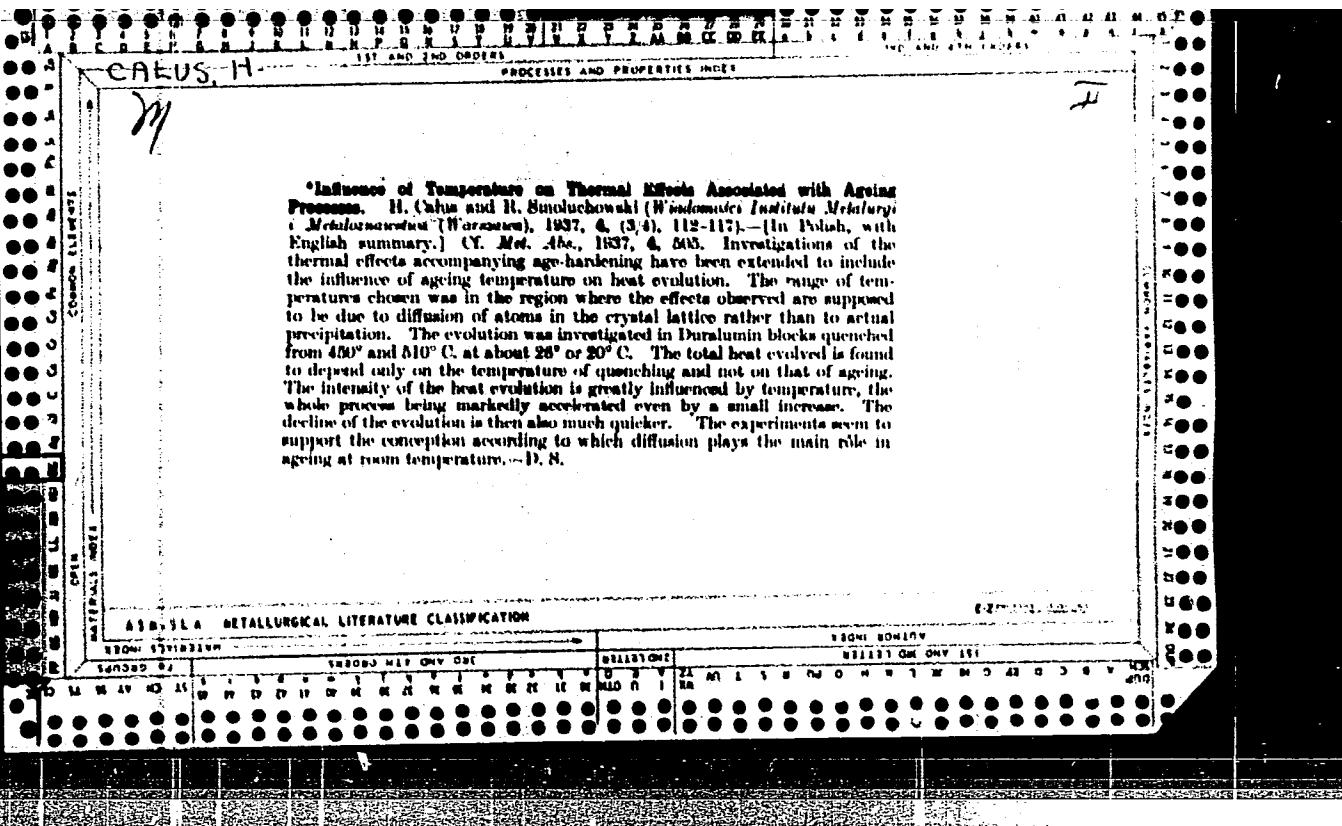
Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Unc1.

CALUKOV, Atanas, khim.

Bulgarian high-production electrode, based on titanic acid, with productivity 160%. Tekhnika Bulg 11 no.1:18-21 '62

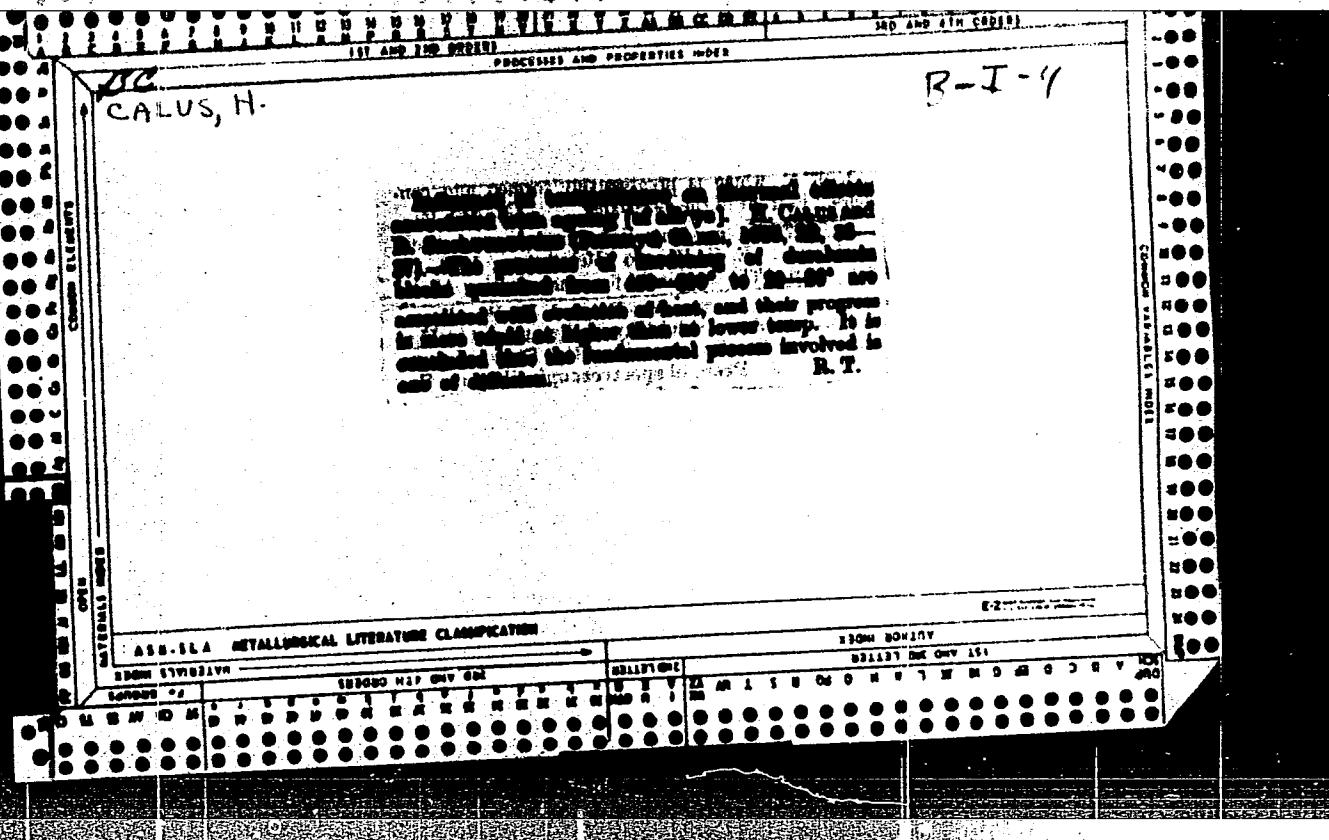
1. St. tekhnolog v zavod "Khr. Smirnenski."



CALUS, H.

Thermal effects associated with the phenomenon of aging of aluminum alloys. H. Cahav and R. Smoluchowski. Roczniki Chem. 18, 411-418 (in French, 417) (1948). Thermal effects accompanying the aging of Al alloys were measured by Swietoslawski's calorimetric technique. For Duraluminum the value 1.75 ± 0.05 cal./g. was obtained at 20° or at 30° . M. Wojciechowski

ASB-LSA METALLURGICAL LITERATURE CLASSIFICATION



CA

2

The dipole moment of pentachloroacetophenone. Henryk
Calie (Plock, Warmia, Poland). Roczniki Chem. 25,
285-91 (1951).—The dipole moment of $\text{PhC}_(=\text{O})\text{COCl}_5$ was
determined in dil. soln., with H_2O -cont'd. benzene as solvent,
and calcd. by Debye's equation. The value $\mu = 1.84 \text{ D.}$
is low compared with other values for ketones (2.6 to over
3.0 D.); this is due to the highly aromatic character of the
l. z. r.

1957

POL.

3145 539.133 : 547.631.6.024 : 547.633.1.024 : 547.629.3 : 547.628.3-114
Calus II Determination of Dipole Moments of Certain Organic Compounds
with Complex Molecular Structure.

„Wyznaczanie momentów dipolowych kilku związków organicznych
z złożoną budową cząsteczką”. Roczniki Chemiczne (PAN). No. 1, 1914,
pp. 85–89, 5 tabs.

The dipole moments of the following compounds were determined:
1) 2, 3, 4, 5, 6-pentaphenylbenzophenone, $\mu = 1.91$ D; 2) 2, 3, 4, 5, 6-penta-
phenyl- ω -benzylacetophenone, $\mu = 2.07$ D; 3) 2, 4, 6-triphenylbenzo-
phenone, $\mu = 1.62$ D; 4) 2, 3, 4, 5-tetraphenylcyclopentadiphenone,
 $\mu = 3.52$ D. The measurements were carried out at a temperature of
20°C. ($\pm 0.05^\circ$) in dilute solutions, in which benzene saturated with water
was used as solvent.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

CALUS, H.

"Obliczenia chemiczne (Chemical calculations), by H. Calus. Reported in
New Books (Nowe Książki), No. 11, June 1, 1956.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

5
Application of Guggenheim-Smith extrapolation to dipole-moment determinations. Henryk Calus and Barbara Życzyńska (Politech., Warsaw, *Zeszyty Nauk. Politech. Warszaw.-Chem.*, No. 2, 61-70 [1957] (English summary).—Dipole moments of nitrobenzene, benzophenone, and acetophenone were detd. by dielec.-const. measurements in solns. of C_6H_6 satd. with H_2O . The values, 3.03, 3.07, and 3.01, resp., all ± 0.01 , were obtained by extrapolations after Guggenheim-Smith and LeFèvre-Vine. J. Stecki.

2 JAG (NB)
4 E2 e g)

JAG

S/081/62/000/024/036/073
B101/B186

AUTHORS: Calus, H., Eckstein, Z., Sobótka, W., Urbański, T.

TITLE: Endoisomers and exoisomers of nitroolefins (1-cyclohexenyl nitromethane and cyclohexylidene nitromethane).
III. Measurement of dipole moments

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 276, abstract 24Zh8 (Bull. Acad. polon. sci. Sér. sci. chim., v. 9, no. 11, 1961, 725-729 [Eng.; summary in Russ.])

TEXT: Dipole moments were compared to explain the composition of a mixture of cyclohexylidene nitromethane (I) and cyclohexene-1-yl nitromethane (II) forming when 1-nitromethyl-1-hydroxycyclohexane (III) is heated. Results: $(CH_2)_4C(CHNO_2) = CH$, (where R = H, CH_3 , and C_2H_5), $(CH_2)_nC(CH_2NO_2) = CH$ (where n = 5,6), nitrocyclohexane, cyclohexyl nitromethane, and 1-nitromethyl-4-methyl-cyclohexene-1 were found to have the same dipole moments of 3.6 ($\pm 0.1D$). The dipole moment (4.3D) of the

Card 1/2

S/081/62/000/024/036/073
B101/B186

Endoisomers and exoisomers ...

mixture obtained from III indicates the predominance of substance I with a higher dipole moment due to conjugation of the C=C bond with the nitro group. Determination of the dipole moments of mixtures produced by adding different amounts of II to the reaction mixture leads to the assumption that the content of the exoisomer I in the reaction mixture is 90% being consistent with the data of the IR spectra. Communication II see RZhKhim, 1958, no. 3, 7880. [Abstracter's note: Complete translation.]

✓

Card 2/2

CALUS, H.; ECKSTEIN, Z.; SOBOTKA, W.; URBANSKI, T.

On endo-and exoisomers of nitroolefins (1-cyclohexenyl-and cyclohexylidenenitromethane). III. Dipole moments measurements.
Bul chim PAN 9 no.11:725-729 '61.

1. Institute of Organic Synthesis, Polish Academy of Sciences,
Warsaw Department of Physical Chemistry, Technical University, Warsaw.
Presented by T. Urbanski.

CZECHOSLOVAKIA

CALUSARU, A.

1. Institute of Atomic Physics (Institut de Physique Atomique),
Bucarest; 2. J. Heyrovsky Polarographic Institute (Institut de
Polarographie "J. Heyrovsky"), Prague

Prague, Collection of Czechoslovak Chemical Communications, No 12,
Dec 1965, pp 4061-4069

"Polarographic determination of the isotopic effect and of constants
of the speed of decomposition of hydrogen peroxide and deuterium by
catalysis."

CZECHOSLOVAKIA

CALUSARU, A.; KUTA, J.

J. Heyrovsky Polarographic Institute (Institut de Polarographie J.
Heyrovsky), Prague (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 2, Feb
1966, pp 814-825

"Polarographic properties of the nitrohydroxylamine in solutions of
Co II and the mechanism of catalysis."

7
✓ Anodic polarization of platinumized electrodes. I. Atanasiu
and A. Gheorghiu. *Rev. chim. (Bucharest)* 7, 512-17 (1952).
— Properties of platinumized electrodes were studied in order to
use them as replacements for Pt electrodes. Studies of cur-
rent yields in the production of persulfates and perchlorates
as well as studies of the polarization in solns. of sulfates, chlo-
rates, and chlorides showed that they do not differ very much
from Pt electrodes, concerning electrochemical properties.
The anodic polarization on platinumized electrodes is influenced
by the nature of the base metal and the cation present in
soln. Exptl. results agree with those of Isgaryshev and
Petrova (*C.A.* 45, 4782). It is not practical to replace Pt
electrodes by platinumized ones as Pt deposits are very porous
and would not last enough time. C. Heitner-Wirgin
//. J.J.

3

CALUSARU, A.

RUMANIA/Chemical Technology - Chemical Products and Their
Application, Part 2. - Electrochemical Industries,
Electroplating, Chemical Sources of Electric Current. H-11

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22053

Author : A. Calusaru

Inst :

Title : Electrolytic Preparation of Copper Powder.

Orig Pub : Rev. chim., 1957, 8, No 5, 369-375

Abstract : Results of laboratory studies carried out with a view to find the optimum conditions of preparing Cu powder of the highest degree of purity are presented. Based on the received polarization curves and visual observation of the precipitate quality, the opinion was expressed that it was necessary to take into consideration the potential, at which the metallic sponge appeared, at the formation of such sponges. The Cu powder originates at potentials between -0.430 and -0.450 v with reference to the non-polarized

Card 1/3

RUMANIA/Chemical Technology - Chemical Products and Their
Application, Part 2. - Electrochemical Industries,
Electroplating, Chemical Sources of Electric Current. H-11

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22053

copper electrode. In the case of a solution containing 0.02 n. CuSO₄ + 1 n. H₂SO₄, the transition from the dense precipitate to a loose one is observed at -0.430 v.; in the case of a solution of 0.05 n. CuSO₄ + 1 n. H₂SO₄, it is observed at -0.450 v., and in the case of a solution of 0.2 n. CuSO₄ + 1 n. H₂SO₄, it is observed at -0.454 v. These results show that the spongy Cu originates at potentials greater than the potentials corresponding to the start of the limit current and considerably lower than the potentials corresponding to the start of the hydrogen discharge. The current efficiency drops with the rise of D_c and rises with the concentration and temperature of the solution. It is recommended to prepare the Cu powders of an electrolyte containing (in g per lit) 15 to 45 of CuSO₄ and 150 of H₂SO₄, at D_c = 5 to 50 a per sq.dm and at the

Card 2/3

RUMANIA/Chemical Technology - Chemical Products and Their
Application, Part 2. - Electrochemical Industries,
Electroplating, Chemical Sources of Electric Current.

H-11

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22053

temperature from 20 to 40°. At such an occasion the current efficiency is in the range from 20 to 70% depending on the conditions of work. The specific surface of obtained powders varies between 800 and 1800 sq.cm per g, and the vol. weight varies between 0.67 and 1.1 g per cub.cm. The purest powders are obtained after washing the precipitates 15 to 20 times with distilled water and drying with a mixture of alcohol and benzene in the ratio of 1 : 1. Microphotographs of the prepared powders are attached, they show the presence of a certain direction in the precipitate growth and a complete absence of any oxides notwithstanding the fact, that the photographs have been taken 2 months after the precipitates had been prepared.

Card 3/3

RUMNI / Analytical Chemistry. Analysis of Inorganic Substances.

E-2

Abs Jour : Ref Zhur - Khim., No 15, 1958, No 50009

Author : Atanasiu, I.; Popescu, Mira; Calusaru, A.

Inst : Not given

Title : Determination of Nickel in Presence of Large Amounts of Copper.

Orig Pub : Rev. chim., 1957, 8, No. 12, 775-777.

Abstract : It was established that the presence of considerable amounts of Cu^{2+} in a solution to be analyzed inhibited the determination of Ni by the gravimetric dimethylglyoxime method, as well as by the polarographic methods. Consequently, Cu is eliminated from a sulfuric solution by electrolysis applying a voltage equal to, or less than, 2.3 v. before the determination of Ni. After the elimination of Cu,

Card 1/2

RUMANIA / Physical Chemistry. Electrochemistry.

B-12

Abs Jour : Ref Zhur - Khimiya, No 3, 1959, No. 7659

Author : Calusaru, Aurelian...

Inst : Bucharest Polytechnic

Title : Study of Secondary Potentials

Orig Pub : Bul. Inst. politehn. Bucuresti, 1957, 19, No 1-2, 339-352

Abstract : A study was made of the effect of an inert electrolyte, concentration and nature of cathions, and also of temperature (20-50°) on "secondary potentials" (SP) at a dropping Hg-electrode. The conclusion is reached that it is necessary to study the SP in the absence of background since otherwise the SP become characteristic of background cathions and not of the cathions under study. Polarographic curves are given and also values of SP, depending on nature and concentration of cathions, which were obtained in the absence of background for solutions of KCl, HCl, NaOH,

Card 1/2

ALUSARU, HUREAN

Distr: 4E2c

✓ Electrolytic preparation of zinc powder. Aurelian Calugaru. Bul. inst. polit. Bucuresti, 19, 353-60 (1957). The conditions of prep. Zn powder by the electrolysis of Na zincate solns. at high c.d. were investigated by using insol. anodes and sepr. the powder by filtration. An increase in c.d. resulted in a decrease of the current yield and an increase in the discharge of H^+ , whereas temp. had the opposite effect. The specific surface was found to increase with the c.d. and to decrease with increasing temp. and concn., so that special powders must be prep'd. at high c.d. and low concn. and temp. The current yield varied between 23 and 70%. The powders formed had a specific surface of 3500-5800 sq. cm./g. and a sp. gr. of 0.320-0.450 g./cc.

François Kertesz

CALUSARU / A

RUMANIA / Physical Chemistry. Electrochemistry.

B

Abs Jour: Ref Zhur-Khimiya, No 20, 1959, 70845.

Author : Atanasiu, I., Calusaru, A.; Popescu, M.

Inst : Academy of Chemistry, RPR.

Title : Cathodic Polarization in Electrolytic Baths for
the Precipitation of Nickel-Phosphorus Alloy.

Orig Pub: Studii si cercetari chim. Acad. RPR, 1958, 6,
No 4, 585-596.

Abstract: The cathodic polarization (CP) at the precipitation of Ni-P alloy has been investigated. It is shown that the concentration of H_3PO_3 (I) and temperature strongly affect the potential of Ni precipitation on the Cu cathode. The addition of 40 g/l of I decreases CP by more than 0.1 v in comparison with the electrolyte not containing I. The maximal CP decrease is observed

Card 1/2

CALUSARU - A.
RUMANIA/Chemical Technology - Chemical Products and Their
Application. Electrochemical Production.
Electrodeposition. Chemical Sources of Current.

H-12

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 58059
Author : Atanasiu I, Calusaru A., Popescu Mira
Inst : -
Title : Electrodeposition of Nickle-Phosphorus Alloys.
Orig Pub : Rev. chim., 1958, 9, No 1, 8-13

Abstract : Composition of electrolyte (in g/l): $\text{NiSO}_4 \cdot 7\text{H}_2\text{O}$ 150;
 $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ 50; H_3PO_4 50; H_3PO_3 1-50; temperature 90°;
 D_k equals 10-60 a/dm^2 , pH ~ 1.5; $VT_k \approx 12\%$. Alloys of
Ni-P contain 1.1-33% P, depending on the concentration
of H_3PO_4 and H_3PO_3 , pH and D_k .

Card 1/1

- 22 -

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4

COUNTRY	:	Rumania	N-12
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 22 1959, No. 79193	
AUTHOR	:	Gruder, G., Calusaru, A., and Raducanu, C.	
INST.	:	Not given	
TITLE	:	The Electrochemical Dressing of Some Natural Materials. Communication I. Diatomite and Kaolin.	
ORIG. PUB.	:	Rev Chim, 9, No 7-8, 361-366, Discussion 366 (1958)	
ABSTRACT	:	The authors have investigated the possibility of dressing Rumanian diatomites (D) having the general composition (in %): SiO ₂ , 91.75, Fe ₂ O, 2.57, Al ₂ O ₃ , 4.51, TiO ₂ , 0.16, and CaO 0.96, by electrochlorination and electroreduction. The electrochlorination experiments were carried out in an electrolyzer equipped with a diaphragm which serves as the anode compartment, into which were charged the raw D and the electrolyte containing 500 gms NaCl per liter. Following the	

CARD: 1/3

184

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010005-4"

COUNTRY	:	Rumania	H-12
CATEGORY	:		
ABS. JOUR.	:	AZKhim., No. 22 1959, No.	79193
AUTHOR	:		
INSP.	:		
TITLE	:		
ORIG. PUB. :			
ABSTRACT	:	electrolysis, during which the active chlorine evolved at the anode oxidized the organic impurities in D, the samples were filtered, washed, dried at 120°, and sintered in an electric furnace at 900-1,000°. The authors were able to increase the degree of whiteness of the D treated by the above process to 73°, measured with a spherical Pulfrich reflectometer. In the electroreduction of the D, the space bounded by the inner diaphragm was used as the cathode compartment. The electro-	
CAPD: 2/3			

COUNTRY	:	Rumania	H-12
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 22 1959, No.	79193
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	lyte used consisted of a 1% solution of H ₂ SO ₄ , and the D/electrolyte ratio was 50 gms/200 cm ³ . Best results were obtained at temperatures $\geq 60^\circ$, D _c = 3a/dm ² , and by the use of electrodes made of amalgamated Pb. The degree of whiteness of the sintered samples was increased from 53 to 84% and the Fe content lowered to 0.52%. The electroreduction of Rumanian kaolins carried out under the same conditions as were used for the D made possible an increase in the degree of whiteness from 70 to 82%.	

Ya. Matlis

CARD: 3/3

185

CALUSARI, A.

Distr: 4E2c

✓ The quantum mechanism of metal-powder formation by electrolysis at high current densities. A. Călusuă and I. Atanasiu. *Acad. rep. populară Romîne, Studii cercetări med.* 14, 865-76 (1959); cf. Gurney, *C.A.* 23, 2847; 26, 2122.—The mechanism of metal powder formation, by electrolysis at high c. ds. is explained from the point of view of the quantum interpretation of the limiting diffusion current. At this limiting current the double elec. layer is composed of 2 parts: one, of 0 concn., adjacent to the electrode, which makes specific adsorption impossible, and another, in which the ions are neutralized by electrons which are able to penetrate because of larger probabilities of passage. Since, in the zone of limiting current, the increase of potential is unaccompanied by an increase of the current, the mean distance of neutralization must rise, as the jump probability is increased by increase of the transparency coeff. and rise of the energy levels of electrons in the metal. The mechanism of formation of metallic powders can be explained by a new theory suggested: they can be formed when the mean distance of neutralization exceeds appreciably the parameter of the cryst. lattice of the depositing metal, so that somehow, the cryst. is produced away from the electrode. This theory was applied to Cu, where calcn., based on the quantum scheme of passage of electrons through the potential barrier between levels in metal and those in soln., showed that the distance where powder formation starts exceeds the parameter of the cryst. lattice of Cu by 10%. Since the max. dilatation of the lattice, exptl. obtained, is 0.0% these calcns. confirm quant. the hypothesis proposed.

M. Ben-Etteser

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also 1213,1087

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A125/A026

AUTHORS: Călusușaru, A., Engineer; Craiu, Viorica, Engineer; Anghel, Paula,
Engineer, Candidate of Technical Sciences

TITLE: On the Electrolytic Production of Metallic Titanium

PERIODICAL: Revista de Chimie, 1960, Vol. 11, No. 7, pp. 384 - 390

TEXT: Subject article deals with the electrolytic production of titanium. First, the authors present a brief historical review on various methods of electrolysis, i.e., the electrolysis of molten oxides, the electrolysis of molten titanium halogenes, and the electrolysis of molten titanates, and list the following scientists, who were engaged in the development of one or the other method: Borchers and Huppertz; Skliarenko and Lipkes (Ref. 3); Sibert, McKenna, Steinberg and Wainer; Hatschek (Ref. 2); Kratky and Bruchner; Fischer and Dorsch; Cordner and Worner; Okada and Kawane; Topinka and his co-workers; Burgess and Roberts; Brenner and Senderoff; Steinberg, Carlton and Wainer (Ref. 12). The last four scientists conducted a detailed study on the electrolysis of potassium fluotitanate (Ref. 12). Subject experiments refer to the production of metallic titanium by the electrolysis of potassium fluotitanate, dissolved in

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